

## ASHRAE DL Seminar on

### ***“Green Design and Sustainability – Un-definable Success***

### ***in a Defined World and Dealing with the Potential Liability Issues of BIM”***



**Date & Time:** 24 April 2019 (Wednesday) (2:00pm – 5:15pm)

**Venue:** Singapore Polytechnic Graduates' Guild (SPGG), Grand Ballroom, Level 3

#### ► **Green Design and Sustainability – Un-definable Success in a Defined World**

The marketplace has embraced 'sustainability' as a value-added feature in design, construction and operations. However, sustainability is not necessarily a 'line item' technology which can be added or deleted at will like the substitution of ceramic tile for sheet vinyl. If sustainability is value-added, then it is desirable and as such, would be designated as a term of the project contract. If so, what parameters should be used to measure compliance with that portion of the contract? Given the interrelationship of design, construction and operation on actual building performance, how are these interrelationships factored into the issues of contract compliance? If sustainability does have a value, a failure to achieve 'it' in a completed project should diminish the project value relative to the contract. A loss of value relative to the contract could establish grounds for compensation for that loss. How is that value to be measured and how is the loss of same to be compensated for? The program will identify and analyze the typical issues which impact the achievement of sustainable design and operation and provide a framework in which to assess value for those issues.

#### ► **Don't Let your BIM go 'BOOM'! Dealing with the Potential Liability Issues of BIM**

BIM has become a growing industry practice over the past 10 years. However, inconsistencies in approach, application and intended use has made the realization of the theoretical benefits of BIM uneven. The lure of BIM is the allure of fewer field conflicts, fewer RFIs, a clearer understanding of what is being built and no change orders. But if all parties aren't on the same page, there can be some serious project mishaps that can make your BIM plans go BOOM! This program looks at some of the areas where a failure to communicate can clobber you.

#### **Speaker Profile**



#### **E. Mitchell Swann, P.E. MDC Systems LLC**

Mr. Swann has over 30 years of experience in the areas of engineering design, project management and consulting for a wide array of clients in diverse industries in the USA and abroad. Mr. Swann's career has included engineering design of HVAC, Piping and Control systems; Project & Department Management, Commissioning, Forensic Engineering & Expert Witness engagements; Dispute Resolution and Project Execution Consulting. He has worked for clients on commercial, institutional and high-tech\industrial projects. He has worked in A/E, EVA and Design-Build firms and Construction Management and as liaison between the design and construction team.

Mr. Swann has authored several articles on several subjects in project execution and professional practice including the "Standard of Care", Substantial Completion and Project Risk Management. Mr. Swann is active in several Technical Committees within ASHRAE, including TC 1.7-General Business, Management and Legal Education, TC 2.8-Sustainable Design, TC 7.1 – Integrated Design, TC 7.2 HVAC Design-Build and TC 9.11-Clean Spaces.

He served as President of the Engineers Club of Philadelphia from 2012 – 2014 and still sits on the Board of Directors. He is currently a Director on the Board of the Philadelphia Energy Authority where he serves as Treasurer. He is also on the PA State Uniform Construction Code Review and Advisory Council. In addition to ASHRAE, Mitch is a member of the USGBC, The Delaware Valley GBC, ISPE and the American Bar Association's (ABA) Construction Forum. He previously was vice-chair of the ABA's Alternative Dispute Resolution Section Committee on Construction. He is a graduate of Drexel University in Philadelphia with a BSME with a concentration in Thermal Fluid Sciences (aka "Energy")



Registration Form – **ASHRAE DL Seminar on “Green Design and Sustainability – Un-definable Success in a Defined World and Dealing with the Potential Liability Issues of BIM”**

**Date:** 24 April 2019 (Wed)  
**Time:** 2.00pm – 5.15pm  
(Registration starts 1.30pm)

**Fee for early registration by 10 April 2019:**  
S\$10 for ASHRAE Singapore Chapter (ASC) members  
S\$60 for ASHRAE/IFMA/IES members  
S\$80 per participant (non-members)

**Fee for registration after 10 April 2019**  
S\$10 for ASC members  
S\$80 for ASHRAE/IFMA/IES members  
S\$100 for non-members  
(1 Tea Break will be provided)

**Venue:**  
Singapore Polytechnic Graduates’ Guild  
Grand Ballroom, Level 3, 1010 Dover Road  
Singapore 139658 (Singapore Poly Gate No. 4)

Register by email to [elta.ascsecretariat@gmail.com](mailto:elta.ascsecretariat@gmail.com) before **17 April 2019**, with the required Registration Details below.

Please make the payment by issuing a cheque to **ASHRAE Singapore Chapter, c/o 159 Sin Ming Road, AMTECH Building, Lobby 2 #07-02, Singapore 575625**

**Professional Engineers Board:** 3 PDUs  
**SCEM-PDU Points:** 3 PDUs

**For enquires on program and registration matters please contact:**  
Dr. Peter Cheng [Email: [peter.cheng@armacell.com](mailto:peter.cheng@armacell.com)], ASC

**Registration Details**

| Name of Participant     | ASHRAE Membership No.: | ASC Reg No.:         | PE Reg No.:          |
|-------------------------|------------------------|----------------------|----------------------|
| <input type="text"/>    | <input type="text"/>   | <input type="text"/> | <input type="text"/> |
| Organization:           | <input type="text"/>   | Designation:         | <input type="text"/> |
| Mailing Address:        | <input type="text"/>   |                      |                      |
|                         | <input type="text"/>   | Postal Code          | <input type="text"/> |
| Telephone / Mobile No.: | <input type="text"/>   | Fax no.:             | <input type="text"/> |
| Email:                  | <input type="text"/>   |                      |                      |

Signature

Date



- Located at 1010 Dover Road (SP Gate 4)
- 10 mins walk from Dover MRT
- Bus Services to SPGG:
  - Bus Stop A: SBS 33 & SBS 196
  - Bus Stop B: SBS 96, 151, 183